

Fig. 1

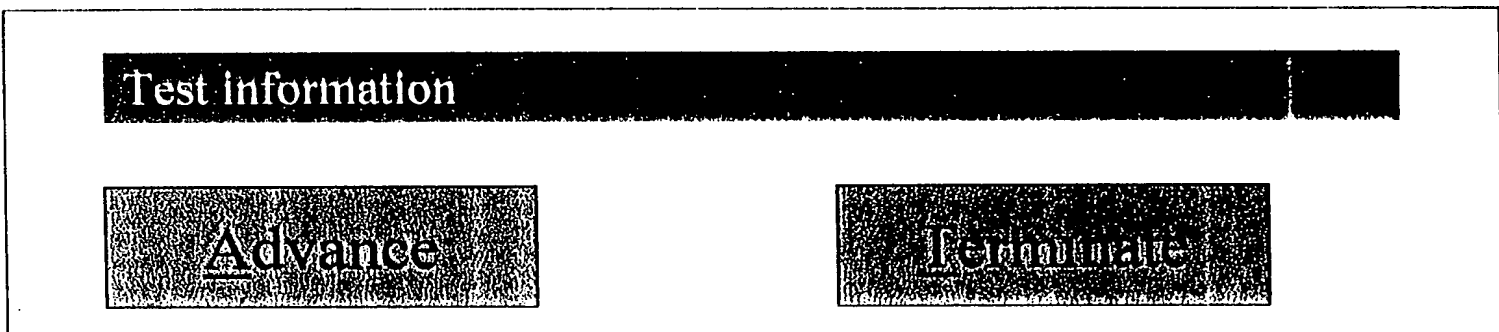


Fig. 2

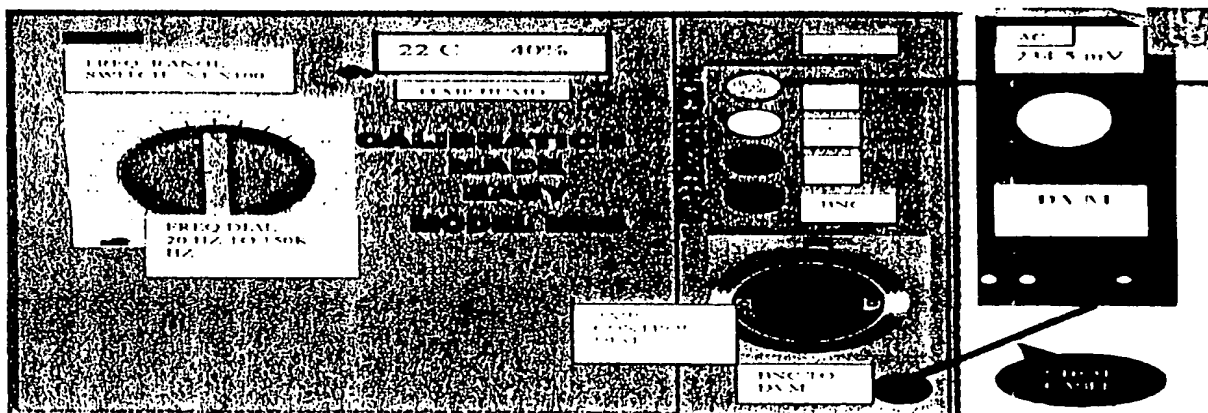


Fig. 3

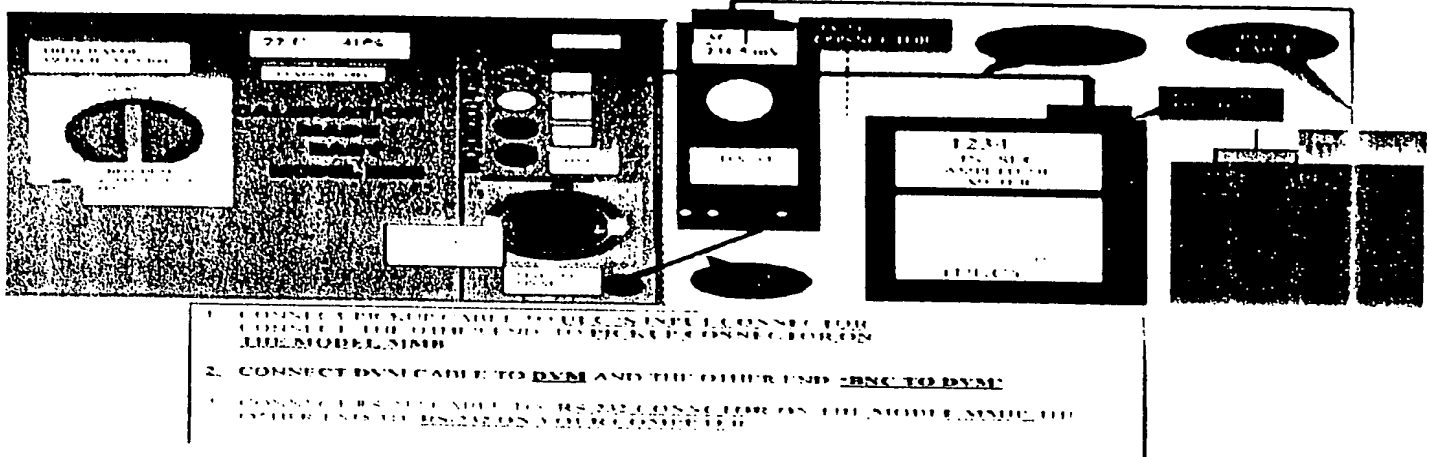


Fig. 4

Calibration Results VIBRATION ANALYSIS LIMITED

UUT: ICP 326F01 ACCELEROMETER Serial No: 27024 Asset No. 001111R	Result: PASS Performed on: 3/10/02 at 12:18:00 Performed by: DARLENE TURNER Environment: Temp. 20.2°C Humid. 37 % Condition F/L: FOUND-LEFT Procedure Completed:
Notes:	

Asset	Model	Description	Cal. Date	Due Date
VALTE100	FLUKE	DVM	10-Sep-01	10-Sep-02
00174	DYNAMIC	TRANSducer 1100	11-Apr-01	11-Apr-02
0001100	ENTER/END	STANDARD TRANSDUCER	10-Jan-02	17-Jan-03
0004138	ENTER/END	STANDARD TRANSDUCER	10-Jan-02	17-Jan-03

TEST#	PARAMETER	TRUE VALUE	READING	DIFF UNDER TEST	TOLERANCE	DIFF ERROR	NOTED BY
1	100mV @ 10Hz	100.0	100.0	0.0mV	0.1mV	0.1	TUR
2	100mV @ 50Hz	100.0	100.0	0.0mV	0.1mV	0.1	TUR
3	100mV @ 100Hz	100.0	100.0	0.0mV	0.1mV	0.1	TUR
4	100mV @ 500Hz	100.0	100.0	0.0mV	0.1mV	0.1	TUR
5	100mV @ 1000Hz	100.0	100.0	0.0mV	0.1mV	0.1	TUR

End of Test Data

EXAMPLE

Fig. 5

Calibration Results GRB ENTERPRISE

UUT: FLUKE 87
 DVM
 Serial No: VALTE108
 Asset No. VALTE108

Result: **FAIL**
 Performed on: 6/1/03 at 09:52:00
 Performed by: Carlos R. Hill
 Environment: Temp. 23.5°C Humid. 40 %
 Calibration F/L: FOUND-LEFT
 Procedure Completed:

Notes:

EXAMPLE

Standards Used

Asset	Mfg	Model	Description	Cal. Date	Due Date
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Test Data

TEST #	STD PARAMETER	TRUE VALUE	UNIT UNDER TEST READING	TOLERANCE	UUT ERROR	ERROR in (% of Tol)	NOTIFY TUR USER
1	Asset # or Serial # of MODEL MMB						
1	ABCD1234						
1	05/10/03						
1	Asset # or Serial # of Transducer 1						
1	103456789						
1	Asset # or Serial # of Transducer 1						
1	544						
1	Asset # or Serial # of Transducer 2						
1	6123456						
1	Asset # or Serial # of Transducer 2						
1	544						
1	BATT SIGNAL CHECK						
1	Result of Operator Evaluation					PASS	
1	READING IN DIAP						
1	100.0 Hz test						
1	0.9 to 1.0						
2	Result of Operator Evaluation					PASS	
3	AC 0.015 V						
3	50.0 Hz test						

End of Test Data

Fig. 6

VIBRATION ANALYSIS LIMITED

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Certificate of Calibration

DRAFT

EXAMPLE

For Instrument: ICP 328F01

Description: ACCELEROMETER

Asset Number: 9011110 Serial Number: 27012

VIBRATION ANALYSIS LIMITED TESTING SERVICES HEREBY CERTIFIES THAT: the above described instrument met or exceeded all published specifications at the time of calibration specified below; and has been calibrated using standards whose accuracies are traceable to the National Institute of Standards and Technology (NIST) within the limitations of the Institute's calibration services, or have been derived from accepted values or physical constants, or have been derived by ratio or self calibration techniques. All test are performed with a TUR (Test Uncertainty Ratio) of 4:1 unless otherwise specified. All calibration activities performed are in compliance with ANSV/NCIS, Z540, ISO/GUIDE 25, AND MIL-STD 45662A.

CALIBRATION INFORMATION

Cal Date Time: 3/1/02 14:20:00 Temperature: 20.20°C Company Address:
Next Cal Due: 2/28/03 Humidity: 37% C/S:
Pass: Y Tech: DARLENE TURNER PC:
Seals OK: Y Note:
Cal Procedure: ICP ACCELEROMETER Revision: 1.0

Ref. Asset Number	Mfg	Model	Description	Cal. Date	Due Date
VALTE106	FLUKE	87	DVM	9/10/01	9/10/02
0074	DYNAMIC	DI-803	TRANSDUCER TESTER	4/11/01	4/11/02
9001183	ENTERKARD	070	STANDARD TRANSDUCER	1/19/02	1/17/03
0004130	ENTERKARD	044	STANDARD TRANSDUCER	1/19/02	1/17/03

Signed:

This certification shall not be reproduced, except as in full, without the written permission of VIBRATION ANALYSIS LIMITED.

Fig. 7

GRB ENTERPRISE

<report substitution mt. user1>
<report substitution mt. user2>

Failed Calibration Report

DRAFT

For Instrument: FLUKE 87

Description: DVM

Asset Number: VALTE106 Serial Number: VALTE106

GRB ENTERPRISE hereby certifies that... the above described instrument met or exceeded all published specifications at the time of calibration specified below; and has been calibrated using standards whose accuracies are traceable to the National Institute of Standards and Technology (NIST) within the limitations of the Institute's calibration services, or have been derived from accepted values or physical constants, or have been derived by ratio or self calibration techniques. All calibration activities performed are in compliance with MIL-STD-45662A.

CALIBRATION INFORMATION

Cal Date Time: 5/26/03 04:22:00 Temperature: 23.50°C Shop Work Order:
Next Cal Due: 5/26/03 Humidity: 40%
Pass: I Tech: Carlos R. Hill
Seals OK: Y Note:
Cal Procedure: CME IRD 810 TEST 1(R44) Revision: 1.0

STANDARDS USED FOR CALIBRATION

Asset Number	Mfg	Model	Description	Cal. Date	Due Date
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Signed:

Fig. 8

EXAMPLE

Final Validated Calibration Results
GRB ENTERPRISE

Standards Used	Mfg	Model	Description	Cal. Date	Due Date
Asset					
GRRT6 1025	AGILENT	3456A	6 1/2 MULTIMETER	11-Apr-01	11-Apr-02
GRRT6 1026	GLOBAL	105/2120	GENERATOR	30-Apr-01	30-Apr-02

GRB Enterprise Runtime Report: Calibration Results
ENTEKVRD DATAPAC 1500 Asset No. 080 Serial No: 990
Calibrated on: 12/10/01 at 18:13:00

GRB ENTERPRISE
FINAL VALIDATED
Certificate of
Calibration

For Instrument: ENTEK\IRD DATAPAC 1500

ORB ENTERPRISE, HEREBY CERTIFIES THAT:

The above described instrument met or exceeded all published specifications at the time of calibration specified below, and has been calibrated using standards whose accuracies are traceable to the National Institute of Standards and Technology (NIST) within the limitations of the Institute's calibration services. ~~cal have~~ been derived from accepted values or physical constants, or have been derived by ratio or self calibration techniques. All test are performed with a TUR(Test Uncertainty Ratio) of 4:1 unless otherwise specified. All calibration activities performed are in compliance with ANSI/NCSL Z540, ISO/GUIDE 25, ISO/GUIDE 17025, QS-9000, ISO-9000 AND MIL-STD-45622A.

Dated Signed: _____ Tested by: _____
 _____ Validated by: _____
 _____ Approved by: _____

Form # GR0040319

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Fig. 10

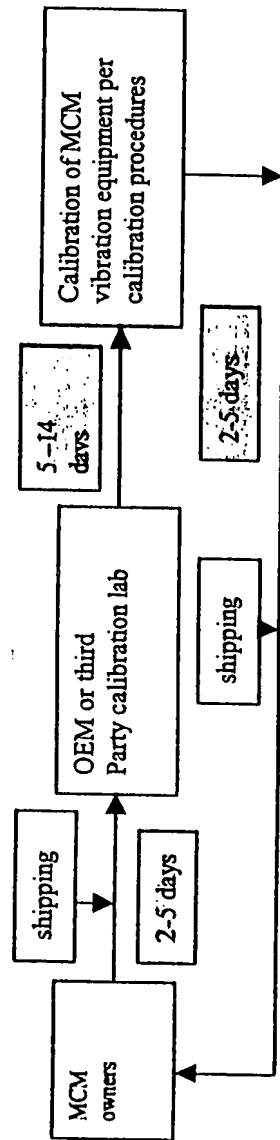


Fig. 11 (PRIOR ART)